

PATENT Atty. Dkt. WEAT?0372

HE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

McKay, et al

Serial No.: 10/788,976

Confirmation No.: 6867

Filed:

February 27, 2004

For:

DRILL SHOE

MAIL STOP AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

๛๛๛๛๛๛๛๛๛

Group Art Unit: 3672

Examiner:

Unknown

Customer No.: 36735

CERTIFICATE OF MAILING 37 CFR 1.8

I hereby certify that this correspondence is being deposited with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on October 5, 2004

Jason C. Huang Typed Name

Signature

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

1

Applicants certify that all references submitted with this disclosure were first cited in a communication from a foreign patent office dated June 15, 2004, which communication is enclosed, not more than three months prior to the filing of this Supplemental Information Disclosure Statement.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/WEAT/0372/WBP.

Respectfully submitted,

Jason C. Huang

Registration No. 46,222

MOSER, PATTERSON & SHERIDAN, L.L.P.

3040 Post Oak Blvd. Suite 1500

Houston, TX 77056

Telephone: (713) 623-4844 Facsimile: (713) 623-4846 Attorney for Applicant(s)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Acrof 1996, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL 1 3 2004 INFORMATION DISCLOSURE STATEMENT BY APPELCANT

(Use as many sheets as necessary)

Sheet 1 of 2

elsons are required to respond to a collec	don of information unless it displays a valid office condition hands
Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672 ·
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372
Submission Date	

Examiner Initials*			Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
initiais"	NO.	Number-Kind Code ^{2 (if known)}	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
	A1	US-6742606 B2	06/01/2004	Melcalfe, et al.	
	A2	US-6702040 B1	03/09/2004	Sensenig	
	A3	US-6668937	12/30/2003	Murray	
	A4	US6634430	10/21/2003	Dawson et al.	
	A5	US-6547017 B1	04/15/2003	Vail,III	
	A6	US-6543552 B1	04/08/2003	Melcalfe, et al.	
	A7	US-6536993 B2	03/25/2003	Strong, et al.	
	A8	US-6457532 B1	10/01/2002	Simpson	
	A9	US-6263987 B1	07/24/2001	Vail,III	
	A10	US-6216533 B1	04/17/2001	Woloson, et al.	
	A11	US-6189616 B1	02/20/2001	Gano, et al.	
	A12	US-6186233 B1	02/13/2001	Brunet	
	A13	US-6155360	12/05/2000	McLeod	
	A14	US-6135208	10/24/2000	Gano, et al.	
	A15	US-6098717	08/08/2000	Bailey et al.	
	A16	US-6070671	06/06/2000	Cumming et al.	
	A17	US-6035953	03/14/2000	Rear	
	A18	US-6024169	02/15/2000	Haugen	

		FORE	IGN PATENT	DOCUMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T ⁶
Initials*	No.¹	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
	B1	DE 3 213 464	10/13/1983	Reimer		
	B2	DE 4 133 802	10/22/1992	Andrejewski		
	ВЗ	EP 0 235 105	09/02/1987	Kjell-Oue		
	B4	EP 0 265 344	04/27/1988	Legendre		
	B5	EP 0 462 618	12/27/1991	Karlsson		

Examiner Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. sKind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
leduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Under the Paperwon

Substitute for form 1449A/PTO

A38 US-5402856

Sheet | 2

SUPPLEMENTAL INFORMATION DISCLOSE STATEMENT BY APRI

(Use as many sheets as necessary)

29

10/788,976 Application Number February 27, 2004 Filing Date McKay, et al First Named Inventor Group Art Unit 3672 **Examiner Name** Unknown Attorney Docket Number WEAT/0372

One	2		,		
		****	U.S. PATENT	DOCUMENTS	
Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.	Number-Kind Code ^{2 (if known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	A19	US-5887668	03/30/1999	Haugen et al.	
	A20	US-5887655	03/30/1999	Haugen, et al.	
	A21	US-5836409	11/17/1998	Vait,III	
···	A22	US-5826651	10/27/1998	Lee, et al.	
	A23	US-5803666	09/08/1998	Keller	
	A24	US-5787978	08/04/1998	Carter, et al.	
	A25	US-5785132	07/28/1998	Richardson, et al.	
	A26	US-5717334	02/10/1998	Vail,III, et al.	
	A27	US-5706905	01/13/1998	Barr	
	A28	US-5615747	04/01/1997	Vail,III	
	A29	US-5575344	11/19/1996	Wireman	
	A30	US-5560440	10/01/1996	Tibbitts	
	A31	US-5553679	09/10/1996	Thorp	
	A32	US-5546317	10/10/1995	Hood, III, et al.	
	A33	US-5526880	06/18/1996	Jordan, Jr., et al.	
	A34	US-5520255	05/28/1996	Barr et al.	
	A35	US-5477925	12/26/1995	Trahan, et al.	
	A36	US-5458209	10/17/1995	Hayes, et al.	
	A37	US-5435400	07/25/1995	Smith	
					· ·

	FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	16
Initials*	No.'	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
	B6	EP 0 554 568	08/11/1993	Tibbits, et al.		
	B7	EP 0 961 007	12/06/1999	Gano, et al.		
	B8	EP 1 006 260	06/07/2000	Fincher, et al.		
	В9	GB 2 335 217	09/15/1999	Desai		

Warren, et al.

04/04/1995

Date Considered Examiner

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 06\$1-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
o a collection of information unless it displays a valid OMB control number.

Under the Paperwork Red

Substitute for form 1449A/PTO

OCT 1 3 2004 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICAN

(Use as many sheets as necessary)

29 Sheet 3 of

'	persons are required to respond to a collection	or information unless it displays a valid OMB control number
\	Application Number	10/788,976
	Filing Date	February 27, 2004
ÿ	First Named Inventor	McKay, et al
	Group Art Unit	3672
	Examiner Name	Unknown
	Attorney Docket Number	WEAT/0372
_	Submission Date	

Examiner	Cite Document Number Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant		
Initials*	INO.	Number-Kind Code ^{2 (if known)}	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
	A39	US-5361859	11/08/1994	Tibbitts	
	A40	US-5322127	06/21/1991	McNair et al.	
	A41	US-5318122	06/07/1994	Murray, et al.	
	A42	US5181571	01/27/1993	Mueller	
	A43	US-5109924	05/05/1992	Jurgens, et al.	
	A44	US-5052483	10/01/1991	Hudson	
	A45	US-4904119	02/27/1990	Legendre, et al.	
	A46	US-4848469	07/18/1989	Baugh et al.	
	A47	US-4836299	06/06/1989	Bodine	
	A48	US-4825947	05/02/1989	Mikolajczyk	
	A49	US-4699224	10/13/1987	Burton	
	A50	US-4681158	07/21/1987	Pennison	
	A51	US-4620600	11/04/1986	Persson	
	A52	US-4604818	08/12/1996	Inoue	
	A53	US4595058	06/17/1986	Nations	
	A54	US-4515045	05/07/1985	Gnatchenko, et al.	
	A55	US-4489793	12/25/1984	Boren	
	A56	US-4483399	11/20/1984	Colgate	
	A57	US-4466498	08/21/1984	Bardwell	

		FORE	IGN PATENT	DOCUMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T ⁶
Initials*	No.¹	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
	B10	GB 1 469 661	04/06/1977	Swobda, et al.		
	B11	GB 1 277 461	06/03/1972			
	B12	GB 1 448 304	09/02/1976	·		
	B13	GB 1 582 392	01/07/1981			

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. a Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Where Relevant Passages or

Relevant Figures Appear

+

Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 4 of 29

1	persons are required to respond to a collect	tion of information unless it displays a valid OMB control number
	Application Number	10/788,976
	Filing Date	February 27, 2004
	First Named Inventor	McKay, et al
	Group Art Unit	3672
	Examiner Name	Unknown
	Attorney Docket Number	WEAT/0372
	Submission Date	

Examiner Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant	
iniuais	INO.	Number-Kind Code ^{2 (if known)}	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
	A58	US-4446745	05/08/1994	Stone, et al.	
	A59	US-4396076	08/02/1983	Inoue	
	A60	US-4396077	09/12/1981	Radtke	
	A61	US-4274778	06/23/1981	Putnam, et al.	
	A62	US-4221269	09/09/1980	Hudson	
	A63	US-4189185	02/19/1980	Kammerer, Jr., et al.	
	A64	US-4186628	02/05/1990	Bonnice	
	A65	US-4100981	07/18/1978	Chaffin	
	A66	US-4083405	04/11/1978	Shirley	
	A67	US-3934660	01/27/1976	Nelson	
	A68	US-3901331	08/26/1975	Djurovic	
	A69	US-3785193	01/15/1974	Kinley et al.	
	A70	US-3700048	10/24/1972	Desmoulins	
	A71	US-3691624	09/19/1972	Kintey	
	A72	US-3669190	06/13/1972	Sizer et al.	
	A73	US-3624760	11/30/1971	Bodine	
	A74	US-3575245	04/20/1971	Cordary, et al.	
	A75	US-3489220	01/13/1970	Kinley	
	A76	US3387893	06/11/1968	Hoever	
		F	OREIGN PATE	NT DOCUMENTS	
Examiner	Cite	Foreign Patent Document	Publication D	Date Name of Patentee or	Pages, Columns, Lines,
Initiale*	No 1				Where Relevant Passages or

Examiner Date Considered

MM-DD-YYYY

02/04/1981

09/14/1988

02/10/1997

06/17/1998

07/28/1999

Applicant of Cited Document

Gebhart

Dinsdale

Armell, et al.

Lee

Kirk

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant: Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this purden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

No.1

B14

B15

B16

B17

B18

GB 2 053 088

GB 2 201 912

GB 2 313 860

GB 2 320 270

GB 2 333 542

Country Code3-Number4-Kind Code5 (if known)

Initials*

PTO/SB/08a (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 5 of 29

_	persons are required to respond to a collection	on of information unless it displays a valid OMB control number
	Application Number	10/788,976
	Filing Date	February 27, 2004
	First Named Inventor	McKay, et al
	Group Art Unit	3672
	Examiner Name	Unknown
	Attorney Docket Number	WEAT/0372
	Submission Date	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	
	_	Number-Kind Code ^{2 (# known)}			Figures Appear	
	A77	US-3353599	11/21/1967	Swift		
	A78	US-3191680	06/29/1965	Vincent		
	A79	US-3191677	06/29/1965	Kinley		
	A80	US-3169592	02/26/1965	Kammerer		
	A81	US-3102599	09/03/1963	Hillburn		
	A82	US-3087546	04/30/1963	Wooley		
	A83	US-2805043	09/03/1957	Williams		
	A84	US-2765146	10/02/1956	Williams	, _	
	A85	US-2764329	09/25/1956	Hampton		
	A86	US-2743087	04/24/1956	Layne, et al.		
	A87	US-2663073	12/22/1953	Bieber et al.		
	A88	US-2641444	06/09/1953	Moon		
	A89	US-2627891	02/10/1953	Clark		
	A90	US-2499630	03/07/1950	Clark		
	A91	US-2324679	07/20/1943	Cox		
	A92	US2295803	09/15/1940	O'Leary		
	A93	US-2216895	10/08/1940	Stokes		
	A94	US-2060352	11/11/1936	Stokes		

	FOREIGN PATENT DOCUMENTS					
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T ⁶
Initials*	No.¹	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
	B19	GB 2 365 463	02/20/2002	Giancarlo		
-	B20	GB 2 382 361	05/28/2003	Hewson, et al.		
***	B21	GB 2 216 926	10/18/1989	Haloid		
	B22	GB 2 348 223	09/27/2000	Cook, et al.		

Examiner Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the Emperor must precede the serial number of the patent document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 4 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
to a collection of information unless it displays a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 6 of 29

7	persons are required to respond to a collecti-	on of information unless it displays a valid OMB control number
	Application Number	10/788,976
	Filing Date	February 27, 2004
	First Named Inventor	McKay, et al
	Group Art Unit	3672
	Examiner Name	Unknown
	Attorney Docket Number	WEAT/0372
	Submission Date	

			U.S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
		Number-Kind Code ^{2 (if known)}	MINI-DD-1111	Applicant of Cited Document	Figures Appear
	A95	US-2049450	08/04/1936	Johnson	
	A96	US-2017451	10/15/1935	Wickersham	
	A97	US-1981525	11/20/1934	Price	
	A98	US-1880218	10/04/1932	Simmons	
	A99	US-1342424	06/08/1920	Cotten	
	A100	US-1301285	04/22/1919	Leonard	
	A101	US1185582	05/30/1916	Bignell	
	A102	US-2004/0069501	04/15/2004	Haugen et al.	
	A103	US-2003/0217865	11/27/2003	Simpson, et al.	
	A104	US-2003/0146023	08/07/2003	Pia	
	A105	US-2003/0141111	07/31/2004	Pia	
	A106	US-2003/0111267	06/19/2003	Pia	
	A107	US-2003/0056991	03/27/2003	Hahn, et al.	
	A108	US-6,752,211	06/22/2004	Dewey, et al.	
	A109	US-2002/0040787	4/11/2002	Cook, et al.	
	A110	US-6,371,203	04/16/2002	Frank, et al.	
	A111	US-5833002	11/10/1998	Holcombe	
	A112	US-5615747	04/01/1997	Vail, III	
	A113	US-5375668	12/27/1994	Hallundbaek	
	A114	US-5197553	03/30/1993	Leturno	
	A115	US-4962822	01/16/1990	Pascale	
	A116	US-4960173	10/02/1990	Cognevich, et al.	
	A117	US-4651837	03/24/1987	Mayfield	
	A118	US-3603411	09/07/1971	Link	
	A119	US-3552508	01/05/1971	Brown	

	FOREIGN PATENT DOCUMENTS					
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T ⁶
Initials*	No.¹	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
	B23	GB 540 027	10/02/1941			
	B24	GB 7 928 86	04/12/1958			
	B25	GB 8 388 33	06/22/1960			
	B26	GB 9 977 21	07/07/1965	Garnier, et al.		

Examiner Date Considered

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

29

Sheet

persons are required to respond to a collec-	tion of information unless it displays a valid OMB control number
Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372
Submission Date	

		FORE	IGN PATENT I	DOCUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	B27	USSR 112631	01/10/1956	Barshai, et al.		
	B28	USSR 1304470	08/31/1984	Gelfat, et al.		
	B29	USSR 1808972	05/22/1991	Voroshbitov, et al.		
	B30	USSR 247162	05/10/1967	Barshai, et al.		
	B31	USSR 395557	12/30/1971	Barshai, et al.		
, i	B32	USSR 415346	03/03/1972	Barshai, et al.		
1	B33	USSR 461218	04/23/1973	Barshai, et al.		
,	B34	USSR 481689	06/09/1972	Barshai, et al.		
,	B35	USSR 501139	12/14/1973	Barshai, et al.		
- /	B36	USSR 581238	02/23/1976	Barshai, et al.		
	B37	USSR 583278	08/30/1974	Barshai, et al.		
ત્ર	B38	USSR 585266	07/26/1974	Barshai, et al.		
¥	B39	USSR 601390	01/12/1976	Barshai, et al.		
	B40	USSR 655843	03/22/1977	Barshai, et al.		
	B41	USSR 659260	04/02/1967	Barshai		
·····	B42	USSR 781312	03/07/1978	Barshai, et al.		
	B43	USSR 899820	06/29/1979	Alikin, et al.		
	B44	USSR 955765	02/09/1981	Gelfat, et al.		
•	B45	WO 00/37766	06/29/2000	Simpson, et al.		
	B46	WO 01/83932	11/08/2001	Tulloch		
***	B47	WO 90/06418	06/14/1990	Schulze-Bechinghausen		
	B48	WO 92/01139	01/23/1992	Nobilequ		
	B49	WO 92/18743	10/29/1992	Pietras		
	B50	WO 92/20899	11/26/1992	Ellis		
	B51	WO 93/24728	12/09/1993	Simpson		

Examiner **Date Considered**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

8

29

Approved for use through 07/31/2006. OMB 0651-0931
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. 10/788,976 Substitute for form 1449A/PTO Application Number February 27, 2004 Filing Date SUPPLEMENTAL McKay, et al First Named Inventor INFORMATION DISCLOSURE 3672 Group Art Unit STATEMENT BY APPLICANT **Examiner Name** Unknown (Use as many sheets as necessary) Attorney Docket Number WEAT/0372

Submission Date

		FORE	IGN PATENT I	DOCUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or	T ⁶
muais	INO.	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Figures Appear	
	B52	WO 95/10686	04/20/1995	Lorenz, et al.		
	B53	WO 96/28635	09/19/1996	Strong, et al.		
	B54	WO 98/09053	03/05/1998	Murray, et al.		<u> </u>
	B55	WO 99/23354	05/14/1999	Metcalfe		
	B56	WO 99/37881	07/29/1999	Kirk, et al.		<u> </u>
	B57	WO 99/50528	10/07/1999	Kuck, et al.		
	B58	WO 99/64713	12/16/1999	Wardley		
	B59	WO 99/11902	03/11/1999	Hollingsworth		
	B50	FR 2053088	07/20/1970	Gottwald		
	B72	WO 00/08293	02/17/2000	Van Drentham-Susman		
	B73	WO 91/16520	10/31/1991	Hallundbaek		
	B74					ļ
	B75					ļ
	B76					
	B77					<u> </u>
	B78					

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Date Considered

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

Examiner

PTO/SB/08b (08-03)

Approved for use through 06/30/2006, OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE and to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/788,976	
Filing Date	February 27, 2004	
First Named Inventor	McKay, et al	
Group Art Unit	3672	
Examiner Name	Unknown	
Attorney Docket Number	WEAT/0372	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
	C1	HAHN, ET AL., "Simultaneous Drill and Case Technology - Case Histories, Status and Options for Further Development, " Society of Petroleum Engineers, IADC/SPE Drilling Conference, New Orleans, LA Feb. 23-25, 2000 pp. 1-9.	
	C2 .	M.B. STONE and J. SMITH, "Expandable Tubulars and Casing Drilling are Options" Drilling Contractor, January/February 2002, pp. 52.	
	C3	M. GELFGAT, "Retractable Bits Development and Application" Transactions of the ASME, Vol. 120, June (1998), pp. 124-130.	
	C4	"First Success with Casing-Drilling" Word Oil, February (1999), pp. 25.	
	C5	DEAN E. GADDY, Editor, "Russia Shares Technical Know-How with U.S." Oil & Gas Journal, March (1999), pp. 51-52 and 54-56.	
	C6	United States Patent Application 10/794,800, filed March 5, 2004 (WEAT/0360)	
	C7	United States Patent Application 10/832,804, filed April 27, 2004 (WEAT/0383.P1)	
	C8	United States Patent Application 10/795,214, filed March 5, 2004 (WEAT/0373)	
	C9	United States Patent Application 10/794,795, filed March 5, 2004 (WEAT/0357)	
	C10	United States Patent Application 10/775,048, filed February 9, 2004 (WEAT/0359)	
	C11	United States Patent Application 10/772,217, filed February 2, 2004 (WEAT/0344)	
	C12	United States Patent Application 10/788,976, filed February 27, 2004 (WEAT/0372)	

Submission Date

Examiner	Date Considered
Lizamino	Date Considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

10

29

Approved for use through 06/30/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
o a collection of information unless it displays a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no per

Substitute for form 1449B/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

rersons are required to respond to a conec	don or information unless it displays a valid OMB control number
Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372
Submission Date	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
	C13	United States Patent Application 10/794,797, filed March 5, 2004 (WEAT/0371)	
	C14	United States Patent Application 10/767,322, filed January 29, 2004 (WEAT/0343)	
	C15	United States Patent Application 10/795,129, filed March 5, 2004 (WEAT/0366)	
	C16	United States Patent Application 10/794,790, filed March 5, 2004 (WEAT/0329)	
	C17	United States Patent Application 10/162,302, filed June 4, 2004 (WEAT/0410)	
	C18	Rotary Steerable Technology – Technology Gains Momentum, Oil & Gas Journal, 12/28/1998	
	C19	Directional Drilling, M. Mims, World Oil, May 1999, pp. 40-43	
_	C20	Multilateral Classification System w/Example Applications, Alan MacKenzie & Cliff Hogg, World Oil, Jan. 1999, pp. 55-61	
	C21		
,	C22		
	C23		
	C24		

	· · · · · · · · · · · · · · · · · · ·	
Examiner	Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372
Submission Date	

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A120	6,591,471	07-15-2003	Hollingsworth et al.			
	A121	6,554,064	04-29-2003	Restarick et al.			
	A122	6,538,576	03-25-2003	Schultz et al.			
,	A123	6,536,520	03-25-2003	Snider et al.			
	A124	6,527,064	03-04-2003	Hallundbaek			
	A125	6,527,047	03-04-2003	Pietras			
	A126	6,497,280	12-24-2002	Beck et al.			
	A127	6,484,818	11-26-2002	Alft et al.			
	A128	6,464,004	10-15-2002	Crawford et al.			
	A129	6,443,247	09-03-2002	Wardley			
	A130	6,443,241	09-03-2002	Juhasz et al.			
	A131	6,427,776	08-06-2002	Hoffman et al.			
-	A132	6,419,033	07-16-2002	Hahn et al.			
	A133	6,419,014	07-16-2002	Meek et al.			
	A134	6,412,574	07-02-2002	Wardley et al.			
	A135	6,412,554	07-02-2002	Allen et al.			
	A136	6,408,943	06-25-2002	Schultz et al.			
	A137	6,405,798	06-18-2002	Barrett et al.			
	A138	6,397,946	06-04-2002	Vail, III			
	A139	6,378,630	04-30-2002	Ritorto et al.			
	A140	6,378,627	04-30-2002	Tubel et al.			
	A141	6,374,924	04-23-2002	Hanton et al.			
	A142	6,371,203	04-16-2002	Frank et al.			
Examine	•				Date C	onsidered	

Sheet | 12

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

10/788,976 Application Number Substitute for form 1449A/PTO Filing Date February 27, 2004 SUPPLEMENTAL First Named Inventor McKay, et al INFORMATION DISCLOSURE 3672 Group Art Unit STATEMENT BY APPLICANT **Examiner Name** Unknown (Use as many sheets as necessary) **Attorney Docket Number** WEAT/0372

Submission Date

51.15	St 12		1	- Cubilinosion Date			
U.S. Pate	nt Docu	ıments		•			
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A143	6,359,569	03-19-2002	Beck et al.			
	A144	6,357,485	03-19-2002	Quigley et al.			
	A145	6,343,649	02-05-2002	Beck et al.			
	A146	6,325,148	12-04-2001	Trahan et al.			
	A147	6,315,051	11-13-2001	Ayling			
	A148	6,311,792	11-06-2001	Scott et al.			
	A149	6,296,066	10-02-2001	Terry et al.			
	A150	6,263,987	07-24-2001	Vail, III			
	A151	6,234,257	05-22-2001	Ciglenec et al.			
	A152	6,220,117	04-24-2001	Butcher			
	A153	6,206,112	03-27-2001	Dickinson, III et al.			
	A154	6,196,336	03-06-2001	Fincher et al.			
	A155	6,189,621	02-20-2001	Vail, III			
	A156	6,182,776	02-06-2001	Asberg			
	A157	6,172,010	01-09-2001	Argillier et al.			
	A158	6,170,573	01-09-2001	Brunet et al.			
	A159	6,158,531	12-12-2000	Vail, III			
Examine		-			Date C	onsidered	

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

 $\rightarrow +$

10/788,976 Application Number Filing Date February 27, 2004 First Named Inventor McKay, et al 3672 Group Art Unit Unknown **Examiner Name** WEAT/0372 Attorney Docket Number Submission Date

Sheet 29

U.S. Patent Documents *Examiner Applicant(s) Class Subclass Filing Date If Document Issue Initial Number Date Name Appropriate A160 6,119,772 09-19-2000 Pruet A161 6,065,550 05-23-2000 Gardes 05-16-2000 Strong et al. A162 6,062,326 A163 6,061,000 05-09-2000 **Edwards** A164 6,059,053 05-09-2000 McLeod A165 6,059,051 05-09-2000 Jewkes et al. 02-22-2000 Angle et al. A166 6,026,911 A167 6,000,472 12-14-1999 Albright et al. Mullins A168 10-26-1999 5,971,079 A169 5,957,225 09-28-1999 Sinor A170 5,950,742 09-14-1999 Caraway A171 5,947,213 09-07-1999 Angle et al. A172 08-03-1999 Mock 5,931,231 A173 5,921,332 07-13-1999 Spedale, Jr. A174 07-13-1999 Quigley et al. 5,921,285 06-22-1999 Williams et al. A175 5,913,337 Williams et al. A176 5,908,049 06-01-1999 A177 04-20-1999 Vail, III 5,894,897 A178 5,890,549 04-06-1999 Sprehe A179 5,890,537 04-06-1999 Lavaure et al. A180 5,860,474 01-19-1999 Stoltz et al. A181 Makohi et al. 5,845,722 12-08-1998 **Date Considered** Examiner

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 14

Application Number	10/788,976	
Filing Date	February 27, 2004	•
First Named Inventor	McKay, et al	
Group Art Unit	3672	
Examiner Name	Unknown	
Attorney Docket Number	WEAT/0372	
Submission Date		

*Examiner		Document	Issue	Applicant(s)	Class	Subclass	Filing Date If
Initial		Number	Date	Name		_	Appropriate
	A182	5,842,530	12-01-1998	Smith et al.		_	
	A183	5,839,519	11-24-1998	Spedale, Jr.			
	A184	5,839,330	11-24-1998	Stokka			
	A185	5,829,520	11-03-1998	Johnson			
	A186	5,828,003	10-27-1998	Thomeer et al.			
	A187	5,785,134	07-28-1998	McLeod et al.			
	A188	5,746,276	05-05-1998	Stuart			
	A189	5,743,344	04-28-1998	McLeod et al.			
	A190	5,735,348	04-07-1998	Hawkins, III			
	A191	5,732,776	03-31-1998	Tubel et al.			
	A192	5,720,356	02-24-1998	Gardes			
	A193	5,711,382	01-27-1998	Hansen et al.			
	A194	5,667,026	09-16-1997	Lorenz et al.			
	A195	5,667,023	09-16-1997	Harrell et al.			
	A196	5,662,182	09-02-1997	McLeod et al.			
	A197	5,662,170	09-02-1997	Donovan et al.			
	A198	5,661,888	09-02-1997	Hanslik			
	A199	5,651,420	07-29-1997	Tibbitts et al.			
	A200	5,584,343	12-17-1996	Coone			
	A201	5,582,259	12-10-1996	Barr			
	A202	5,560,437	10-01-1996	Dickel et al.			
Examiner					Date Co	nsidered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

10/788,976 **Application Number** February 27, 2004 Filing Date First Named Inventor McKay, et al Group Art Unit 3672 Unknown **Examiner Name** WEAT/0372 Attorney Docket Number Submission Date

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Clas s	Subclass	Filing Date If Appropriate
	A203	5,551,521	09-03-1996	Vail, III			
	A204	5,547,029	08-20-1996	Rubbo et al.			
	A205	5,535,838	07-16-1996	Keshavan et al.			
	A206	5,535,824	07-16-1996	Hudson			
	A207	5,497,840	03-12-1996	Hudson			
	A208	5,472,057	12-05-1995	Winfree			
	A209	5,452,923	09-26-1995	Smith			
	A210	5,386,746	02-07-1995	Hauk			
	A211	5,379,835	01-10-1995	Streich			
	A212	5,368,113	11-29-1994	Schulze- Beckinghausen			
. •	A213	5,355,967	10-18-1994	Mueller et al.			
	A214	5,354,150	10-11-1994	Canales			
	A215	5,353,872	10-11-1994	Wittrisch			
	A216	5,343,950	09-06-1994	Hale et al.			
	A217	5,332,048	07-26-1994	Underwood et al.			
	A218	5,323,858	06-28-1994	Jones et al.			
	A219	5,320,178	06-14-1994	Cornette			
	A220	5,305,830	04-26-1994	Wittrisch			
	A221	5,297,833	03-29-1994	Willis et al.			
	A222	5,294,228	03-15-1994	Willis et al.			
Examiner					Date	Considered	d

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

(Use as many sheets as necessary)

	40/700 076	
Application Number	10/788,976	
Filing Date	February 27, 2004	
First Named Inventor	McKay, et al	
Group Art Unit	3672	
Examiner Name	Unknown	
Attorney Docket Number	WEAT/0372	
Submission Date		

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A223	5,291,956	03-08-1994	Mueller et al.			
	A224	5,285,204	02-08-1994	Sas-Jaworsky			
	A225	5,285,008	02-08-1994	Sas-Jaworsky et al.			
	A226	5,282,653	02-01-1994	LaFleur et al.			
	A227	5,271,472	12-21-1993	Leturno			
	A228	5,255,751	10-26-1993	Stogner			
	A229	5,255,741	10-26-1993	Alexander			
	A230	5,234,052	08-10-1993	Coone et al.			
	A231	5,197,553	03-30-1993	Leturno			
	A232	5,191,939	03-09-1993	Stokley			
	A233	5,186,265	02-16-1993	Henson et al.			
	A234	5,172,765	12-22-1992	Sas-Jaworsky			
	A235	5,168,942	12-08-1992	Wydrinski			
	A236	5,160,925	11-03-1992	Dailey et al.			
	A237	5,148,875	09-22-1992	Karlsson et al.			
	A238	5,111,893	05-12-1992	Kvello-Aune			
	A239	5,096,465	03-17-1992	Chen et al.			
•	A240	5,082,069	01-21-1992	Seiler et al.			
	A241	5,074,366	12-24-1991	Karlsson et al.			
	A242	5,060,737	10-29-1991	Mohn			
Examiner	1				Date C	Considered	

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

17 of 29

Application Number	10/788,976	
Filing Date	February 27, 2004	
First Named Inventor	McKay, et al	
Group Art Unit	3672	
Examiner Name	Unknown	
Attorney Docket Number	WEAT/0372	
Submission Date		

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A243	5,060,542	10-29-1991	Hauk			
	A244	5,049,020	09-17-1991	McArthur			
	A245	5,027,914	07-02-1991	Wilson			
	A246	5,022,472	06-11-1991	Bailey et al.			
	A247	4,997,042	03-05-1991	Jordan et al.			
	A248	4,962,822	10-16-1990	Pascale			
	A249	4,921,386	05-01-1990	McArthur			
	A250	4,880,058	11-14-1989	Lindsey et al.			
	A251	4,854,386	08-08-1989	Baker et al.			
	A252	4,843,945	07-04-1989	Dinsdale			
	A253	4,842,081	06-27-1989	Parant			
	A254	4,832,552	05-23-1989	Skelly			
	A255	4,813,495	03-21-1989	Leach			
	A256	4,765,416	08-23-1988	Bjerking et al.			
	A257	4,762,187	08-09-1988	Haney			
	A258	4,760,882	08-02-1988	Novak			
	A259	4,735,270	04-05-1988	Fenyvesi			
-	A260	4,725,179	02-16-1988	Woolslayer et al.			
	A261	4,671,358	06-09-1987	Lindsey, Jr. et al.			
	A262	4,686,873	08-18-1987	Lang et al.			
Examiner					Date C	onsidered	

Approved for use through 07/31/2006, OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

10/788,976 Application Number Filing Date February 27, 2004 First Named Inventor McKay, et al 3672 Group Art Unit **Examiner Name** Unknown Attorney Docket Number WEAT/0372 Submission Date

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A263	4,655,286	04-07-1987	Wood			
	A264	4,652,195	03-24-1987	McArthur			
	A265	4,651,837	03-24-1987	Mayfield			
	A266	4,630,691	12-23-1986	Hooper			
	A267	4,605,077	08-12-1986	Boyadjieff			
	A268	4,604,724	08-05-1986	Shaginian et al.			
	A269	4,589,495	05-20-1986	Langer et al.	·		
	A270	4,583,603	04-22-1986	Dorleans et al.			
	A271	4,580,631	04-08-1986	Baugh			
	A272	4,545,443	10-08-1985	Wiredal			
	A273	4,544,041	10-01-1985	Rinaldi			
	A274	4,474,243	10-02-1984	Gaines			
	A275	4,472,002	09-18-1984	Beney et al.			
	A276	4,470,470	09-11-1984	Takano			
	A277	4,463,814	08-07-1984	Horstmeyer et al.			
	A278	4,460,053	07-17-1984	Jurgens et al.			
	A279	4,440,220	04-03-1984	McArthur			
	A280	4,413,682	11-08-1983	Callihan et al.			
	A281	4,408,669	10-11-1983	Wiredal			
	A282	4,384,627	05-24-1983	Ramirez-Jauregui			
	A283	4,336,415	06-22-1982	Walling			
	A284	4,320,915	03-23-1982	Abbott et al.			
	A285	4,315,553	02-16-1982	Stallings			

19

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO **SUPPLEMENTAL** INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 29

10/788,976 **Application Number** February 27, 2004 Filing Date First Named Inventor McKay, et al **Group Art Unit** 3672 **Examiner Name** Unknown Attorney Docket Number WEAT/0372 Submission Date

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A286	4,287,949	09-08-1981	Lindsey, Jr.			
	A287	4,281,722	08-04-1981	Tucker et al.			
	A288	4,274,777	06-23-1981	Scaggs			
	A289	4,262,693	04-21-1981	Giebeler			
	A290	4,257,442	03-24-1981	Claycomb			
	A291	4,175,619	11-27-1979	Davis			
	A292	4,173,457	11-06-1979	Smith			
	A293	4,142,739	03-06-1979	Billingsley			
	A294	4,133,396	01-09-1979	Tschirky			
	A295	4,100,968	07-18-1978	Delano			
	A296	4,085,808	04-25-1978	Kling			
	A297	4,082,144	04-04-1978	Marquis			
	A298	4,077,525	03-07-1978	Callegari et al.			
	A299	4,064,939	12-27-1977	Marquis			
	A300	4,054,426	10-18-1977	White			
	A301	4,049,066	09-20-1977	Richey			
	A302	3,980,143	09-14-1976	Swartz et al.			
Examiner					Date Co	nsidered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

of 29

(Use as many sheets as necessary)

<u> </u>		
Application Number_	10/788,976	
Filing Date	February 27, 2004	
First Named Inventor	McKay, et al	
Group Art Unit	3672	
Examiner Name	Unknown	
Attorney Docket Number	WEAT/0372	
Submission Date		

Examiner		Document Number	Issue Date	Applicant(s) Name	Class	Subcl ass	Filing Date If Appropriate
	A303	3,964,556	06-22-1976	Gearhart et al.			
···	A304	3,945,444	03-23-1976	Knudson			
	A305	3,885,679	05-27-1975	Swoboda, Jr. et al.			
	A306	3,881,375	05-06-1975	Kelly			
	A307	3,870,114	03-11-1975	Pulk, deceased et al.			
	A308	3,840,128	10-08-1974	Swoboda, Jr. et al.			
	A309	3,838,613	10-01-1974	Wilms			
	A310	3,808,916	05-07-1974	Porter et al.			
	A311	3,747,675***	07-24-1973	Brown			
	A312	3,729,057	04-24-1973	Werner			
	A313	3,692,126	09-19-1972	Rushing et al.			
	A314	3,656,564	04-18-1972	Brown			
	A315	3,603,413	09-07-1971	Grill, et al.			
	A316	3,603,412	09-07-1971	Kammerer, Jr. et al.			
	A317	3,603,411	09-07-1971	Link			
	A318	3,559,739	02-02-1971	Hutchison			
	A319	3,570,598	03-16-1971	Johnson			
	A320	3,552,510	01-05-1971	Brown			
	A321	3,552,509	01-05-1971	Brown			
	A322	3,552,508	01-05-1971	Brown			
	A323	3,550,684	12-19-1970	Cubberly, Jr.			
	A324	3,518,903	07-07-1970	Ham, et al.			
	A325	3,392,609	07-16-1968	Bartos			
	A326	3,380,528	04-30-1968	Timmons			

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

 Sheet
 21
 of
 29

_	persons are required to respond to a collect	ion of information unless it displays a valid OMB control number
	Application Number	10/788,976
	Filing Date	February 27, 2004
	First Named Inventor	McKay, et al
	Group Art Unit	3672
	Examiner Name	Unknown
	Attorney Docket Number	WEAT/0372
	Submission Date	

Examiner nitial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A327	3,159,219	12-01-1964	Scott			
	A328	3,123,160	03-03-1964	Kammerer			
	A329	3,122,811	03-03-1964	Gilreath			
	A330	2,743,495	05-01-1956	Eklund			
-	A331	2,738,011	03-13-1956	Mabry			
	A332	2,692,059	10-19-1954	Bolling, Jr.			
	A333	2,668,689	02-09-1954	Cormany			
	A334	2,650,314	08-25-1953	Hennigh, et al.			
	A335	2,621,742	12-16-1952	Brown			
	A336	2,610,690	09-16-1952	Beatty			
	A337	2,522,444	09-12-1950	Grable			
	A338	2,214,429	09-10-1940	Miller			
	A339	1,917,135	07-04-1933	Littell			
	A340	1,842,638	01-26-1932	Wigle			
	A341	2003/0070841		Merecka et al.			11/19/2002
	A342	2003/0056991		Hahn et al.			07/12/2002
	A343	2003/0034177		Chitwood et al.			08/15/2002
	A344	2002/0189863	12-30-2003	Wardley			
	A345	6,725,924	04-27-2004	Davidson et al.			
	A346	6,585,040	07-01-2003	Hanton et al.			
	A347	6,745,834	06-08-2004	Davis et al.			
	A348	6,668,684	12-30-2003	Allen et al.			
	A349	6,443,241	09-03-2002	Juhasz et al.			
	A350	6,536,522	03-25-2003	Birckhead et al.			
	A351	2002/0066556		Goode et al.			08/02/2001
Examiner					Date Co	nsidered	

 \rightarrow +

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

(Use as many sheets as necessary)

Sheet 22 of 29 Submissio

Application Number 10/788,976

Filing Date February 27, 2004

First Named Inventor McKay, et al

Group Art Unit 3672

Examiner Name Unknown

Attorney Docket Number WEAT/0372

Submission Date

U.S. Paten	t Docum	ents					<u> </u>
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subcl ass	Filing Date If Appropriate
	A352	6,374,924	04-23-2002	Hanton et al.			
	A353	2001/0042625		Appleton			07/30/2001
	A354	6,708,769	03/23/2004	Haugen et al.			
	A355	6,464,011	10-15-2002	Tubel			
	A356	6,458,471	10/01/2002	Lovato et al.			
	A357	10/618,093					
	A358	2004/0003490		Shahin et al.			03/05/2003
	A359	2003/0221519		Haugen et al.			03/05/2003
	A360	2004/0124011		Gledhill et al.			12/31/2002
	A361	2004/0124010		Galloway et al.			12/30/2002
	A362	2004/0118614		Galloway et al.			12/20/2002
	A363	2004/0112603		Galloway et al.			12/13/2002
	A364	2004/0069501		Haugen et al.			10/11/2002
	A365	10/189,570					
	A366	5,613,567	03-25-1997	Hudson			
	A367	5,343,951	09-06-1994	Cowan et al.			
Examiner					Date Co	nsidered	

PTO/SB/08a (08-03)

+

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE and to a collection of information unless it displays a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 23 of 29

!	relacits are required to respond to a collect	don or information diffess it displays a valid OND Control fulfibe
	Application Number	10/788,976
	Filing Date	February 27, 2004
	First Named Inventor	McKay, et al
	Group Art Unit	3672
	Examiner Name	Unknown
	Attorney Docket Number	WEAT/0372
	Submission Date	

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subcl ass	Filing Date If Appropriate
	A368	3,111,179	11/19/1963	Albers, et al			
	A369	3,552,848	01/05/1971	Van Wagner			
	A370	4,241,878	12/30/1980	Underwood			
	A371	4,407,378	10/04/1983	Thomas			
	A372	5,494,122	02/27/1996	Larson, et al			
	A373	4,392,534	07/1983	Miida, Eishiro		ì	
	A374	6,443,247	09/03/2002	Wardley			
	A375	5,560,440	10/01/1996	Tibbitts			
	A376	4,466,498	08/21/1984	Bardwell			
	A377	2,295,803	09/15/1942	O'Leary			
	A378	5,127,482	07/07/1992	Rector, Clarence			
	A379	6,062,326	05/16/2000	Strong, Philip			
	A380						
	A381						
	A382						
	A383						
Examiner			-		Date Co	nsidered	

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

10/788,976 **Application Number** Filing Date February 27, 2004 First Named Inventor McKay, et al Group Art Unit 3672 **Examiner Name** Unknown Attorney Docket Number WEAT/0372 Submission Date

Examiner		Document	Date	Country	Class	Subclass	Trans	slation
nitial		Number					YES	NO
	B74	WO 02/086287	10-31-2002	WIPO	E21B	47/01		☒
-	B75	WO 01/94739	12-13-2001	WIPO	E21B	7/20		\boxtimes
	B76	WO 01/94738	12-13-2001	WIPO	E21B	7/20		\boxtimes
	B77	WO 01/81708	11-01-2001	WIPO	E21B	10/32		\boxtimes
	B78	WO 01/79650	10-25-2001	WIPO	E21B	10/60		\boxtimes
/	B79	WO 01/46550	06-28-2001	WIPO	E21B	7/20		\boxtimes
None	B80	WO 01/12946	02-22-2001	WIPO	E21B	19/00		\boxtimes
	B81	WO 00/50730	08-31-2000	WIPO	E21B	10/66		\boxtimes
	B82	WO 00/28188	05-18-2000	WIPO	E21B	7/06		\boxtimes
	B83	WO 00/37771 /	06-29-2000	WIPO	E21B	43/10		\boxtimes
	B84	WO 00/11311	03-02-2000	WIPO	E21B	19/16		\boxtimes
-	B85	WO 00/11310	03-02-2000	WIPO	E21B	19/16		\boxtimes
-	B86	WO 00/11309	03-02-2000	WIPO	E21B	19/16		\boxtimes
	B87	WO 00/05483	02-03-2000	WIPO	E21B	19/16		\boxtimes
	B88	WO 98/55730	12-10-1998	WIPO	E21B	23/00		\boxtimes
	B <u>8</u> 9	WO 97/08418	03-06-1997	WIPO	E21B	4/18		⊠
	B90	GB 2 357 101	06-13-2001	UK	E21B	7/06		\boxtimes
	B91	EP 1 050 661	11-08-2000	EP	E21B	7/18		\boxtimes
	B92	EP 0 571 045	08-19-1998	EP	E21B	7/06		\boxtimes
	B93	GB 2 216 926	10-18-1989	UK	E21B	7/20		\boxtimes
	B94	SU 1618870	01-07-1991	Russia	E21B	33/14		\boxtimes
	B95	WO 96/28635	09-19-1996	WIPO	E21B	17/14		\boxtimes

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

Application Number	10/788,976	
Filing Date	February 27, 2004	
First Named Inventor	McKay, et al	
Group Art Unit	3672	
Examiner Name	Unknown	
Attorney Docket Number	WEAT/0372	
Submission Date		

*Examiner Initial		Document	Date	Country	Class	Subclass	Translation	
		Number					YES	NO
	B96	WO 790 386	08/20/1997	Europe	E21B	10/52	X	
	B97	WO 99/65713	12/16/1999	WIPO	E21B	7/20	X	
	B98	GB 2170528						
	B99	WO 96/28635						
Examiner	·-	•	1 .	<u> </u>	Date	Considered		

10/788,976

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Application Number

Substitute for form 1449A/PTO

SUPPLEMENTAL **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

Filing Date February 27, 2004 First Named Inventor McKay, et al 3672 Group Art Unit **Examiner Name** Unknown

(Use as many sheets as necessary)

Attorney Docket Number WEAT/0372 Sheet | 26 **Submission Date**

OTHER A	RT	
*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
	C21	Tarr, et al., "Casing-while-Drilling: The Next Step Change In Well Construction," World Oil, October 1999, pp. 34-40
,	C22	De Leon Mojarro, "Breaking A Paradigm: Drilling With Tubing Gas Wells," SPE Paper 40051, SPE Annual Technical Conference And Exhibition, March 3-5, 1998, pp. 465-472
	C23	De Leon Mojarro, "Drilling/Completing With Tubing Cuts Well Costs By 30%," World Oil, July 1998, pp. 145-150
	C24	Littleton, "Refined Slimhole Drilling Technology Renews Operator Interest," Petroleum Engineer International, June 1992, pp. 19-26
	C25	Anon, "Slim Holes Fat Savings," Journal of Petroleum Technology, September 1992, pp. 816-819
	C26	Anon, "Slim Holes, Slimmer Prospect," Journal of Petroleum Technology, November 1995, pp. 949-952
	C27	Vogt, et al., "Drilling Liner Technology For Depleted Reservoir," SPE Paper 36827, SPE Annual Technical Conference And Exhibition, October 22-24, pp. 127-132
	C28	Mojarro, et al., "Drilling/Completing With Tubing Cuts Well Costs By 30%," World Oil, July 1998, pp. 145-150
	C29	Sinor, et al., Rotary Liner Drilling For Depleted Reservoirs," IADC/SPE Paper 39399, IADC/SPE Drilling Conference, March 3-6, 1998, pp 1-13
,	C30	Editor, "Innovation Starts At The Top At Tesco," The American Oil & Gas Reporter, April, 1998, p. 65
	C31	Tessari, et al., "Casing Drilling – A Revolutionary Approach To Reducing Well Costs," SPE/IADC Paper 52789, SPE/IADC Drilling Conference, March 9-11, 1999, pp. 221-229
	C32	Silverman, "Novel Drilling Method – Casing Drilling Process Eliminates Tripping String," Petroleum Engineer International, March 1999, p. 15
	C33	Silverman, "Drilling Technology – Retractable Bit Eliminates Drill String Trips," Petroleum Engineer International, April 1999, p. 15
Examiner		Date Considered

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number Filing Date February 27, 2004 First Named Inventor McKay, et al 3672 Group Art Unit **Examiner Name** Unknown Attorney Docket Number WEAT/0372

10/788,976

(Use as many sheets as necessary)

Sheet

OTHER A	RT		
*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.	
	C34	Laurent, et al., "A New Generation Drilling Rig: Hydraulically Powered And Computer Controlled," CADE/CAODC Paper 99-120, CADE/CAODC Spring Drilling Conference, April 7 & 8, 1999, 14 pages	
	C35	Madell, et al., "Casing Drilling An Innovative Approach To Reducing Drilling Costs," CADE/CAODC Paper 99-121, CADE/CAODC Spring Drilling Conference, April 7 & 8, 1999, pp. 1-12	
	C36	Tessari, et al., "Focus: Drilling With Casing Promises Major Benefits," Oil & Gas Journal, May 17, 1999, pp. 58-62	
	C37	Laurent, et al., "Hydraulic Rig Supports Casing Drilling, " World Oil, September 1999, pp. 61-68	
	C38	Perdue, et al., "Casing Technology Improves," Hart's E & P, November 1999, pp. 135-136	
	C39	Warren, et al., "Casing Drilling Application Design Considerations," IADC/SPE Paper 59179, IADC/SPE Drilling Conference, February 23-25, 2000 pp 1-11	
	C40	Warren, et al., "Drilling Technology: Part I – Casing Drilling With Directional Steering In The U.S. Gulf Of Mexico," Offshore, January 2001, pp. 50-52	
	C41	Warren, et al., "Drilling Technology: Part II – Casing Drilling With Directional Steering In The Gulf Of Mexico," Offshore, February 2001, pp. 40-42	
	C42	Shepard, et al., "Casing Drilling: An Emerging Technology," IADC/SPE Paper 67731, SPE/IADC Drilling Conference, February 27-March 1, 2001, pp. 1-13	
	C43	Editor, "Tesco Finishes Field Trial Program," Drilling Contractor, March/April 2001, p. 53	
	C44	Warren, et al., "Casing Drilling Technology Moves To More Challenging Application," AADE Paper 01-NC-HO-32, AADE National Drilling Conference, March 27-29, 2001, pp. 1-10	
	C45	Shephard, et al., "Casing Drilling: An Emerging Technology," SPE Drilling & Completion, March 2002, pp. 4-14	
	C46	Shephard, et al., "Casing Drilling Successfully Applied In Southern Wyoming," World Oil, June 2002, pp. 33-41	
	C47	Forest, et al., "Subsea Equipment For Deep Water Drilling Using Dual Gradient Mud System," SPE/IADC Drilling Conference, Amsterdam, The Netherlands, February 27, 2001-March 01, 2001, 8 pages	
	C48	"World's First Drilling With Casing Operation From A Floating Drilling Unit, September 2003, 1 page	
	C49	Filippov, et al., "Expandable Tubular Solutions," SPE paper 56500, SPE Annual Technical Conference And Exhibition, October 3-6, 1999, pp. 1-16	
Examiner		Date Considered	

Submission Date

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

	,	
Application Number	10/788,976	
Filing Date	February 27, 2004	
First Named Inventor	McKay, et al	
Group Art Unit	3672	
Examiner Name	Unknown	
Attorney Docket Number	WEAT/0372	
Submission Date		

OTHER ART				
*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.		
	C50	Coronado, et al., "Development Of A One-Trip ECP Ce For Open Hole Completions," IADC/SPE Paper 39345, 1998, pp. 473-481		
	C51	Coronado, et al., "A One-Trip External-Casing-Packer (System," Journal Of Petroleum Technology, August 19		
	C52	Quigley, "Coiled Tubing And Its Applications," SPE Sho 9 pages	ort Course, Houston, Texas, October 3, 1999,	
	C53 Bayfiled, et al., "Burst And Collapse Of A Sealed Multilateral Junction: Numerical Simulation SPE/IADC Paper 52873, SPE/IADC Drilling Conference, March 9-11, 1999, 8 pages			
C54 Marker, et al. "Anaconda: Joint Development Project Leads To Digitally Control Tubing Drilling System," SPE paper 60750, SPE/ICOTA Coiled Tubing Roundt pp 1-9				
	C55	C35 Cales, et al., "Subsidence Remediation – Extending Well Life Through The Use Of Sol Casing Systems, AADE Paper 01-NC-HO-24, American Association Of Drilling Engine 2001 Conference, pp. 1-16		
Coats, et al., "The Hybrid Drilling Unite: An Overview Of an Integrated Control Hydraulic Workover Drilling System," SPE Paper 74349, SPE Internation And Exhibition, February 10-12, 2002, pp. 1-7 C57 Sander, et al., "Project Management And Technology Provide Enhanced Horizontal Wells," IADC/SPE Paper 74466, IADC/SPE Drilling Conference 1-9 C58 Coats, et al., "The Hybrid Drilling System: Incorporating Composite Coile Workover Technologies Into One Integrated Drilling System, "IADC/SPE Drilling Conference, February 26-28, 2002, pp 1-7		Hydraulic Workover Drilling System," SPE Paper 74349	Of an Integrated Composite Coiled Tubing And O, SPE International Petroleum Conference	
		Provide Enhanced Performance For Shallow Drilling Conference, February 26-28, 2002, pp.		
	C59 Galloway, "Rotary Drilling With Casing – A Field Proven Method Of Reducing Wellbore Co Cost," Paper WOCD-0306092, World Oil Casing Drilling Technical Conference, March 6-7 1-7			
Examiner	•		Date Considered	

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

10/788,976 Application Number February 27, 2004 Filing Date First Named Inventor McKay, et al **Group Art Unit** 3672 Unknown **Examiner Name** Attorney Docket Number WEAT/0372 **Submission Date**

(Use as many sheets as necessary)

Sheet

*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.	
	C60	Fontenot, et al., "New Rig Design Enhances Casing Drilling Operations In Lobo Trend," paper WOCD-0306-04, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-13	
	C61	McKay, et al., "New Developments In The Technology Of Drilling With Casing: Utilizing A Displaceable DrillShoe Tool," Paper WOCD-0306-05, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-11	
	C62	Sutriono – Santos, et al., "Drilling With Casing Advances To Floating Drilling Unit With Surface BOP Employed," Paper WOCD-0307-01, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-7	
	C63	Vincent, et al., "Liner And Casing Drilling – Case Histories And Technology," Paper WOCD-0307-02, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-20	
	C64	Maute, "Electrical Logging: State-of-the Art," The Log Analyst, May-June 1992, pp. 206-27	
	C65	Tessari, et al., "Retrievable Tools Provide Flexibility for Casing Drilling," Paper No. WOCD-0306-01, World Oil Casing Drilling Technical Conference, 2003, pp. 1-11	
	C66	Evans, et al., "Development And Testing Of An Economical Casing Connection For Use In Drilling Operations," paper WOCD-0306-03, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-10	
	C67	International Search Report dated July 31, 2001, for application serial number PCT/GB01/01506.	
	C68	PCT Search Report, International Application No. PCT/US2004/005983, dated June 15, 2004	
	PCT Search Report datedJuly 19, 2001, for application serial number PCT/GB01/01512		
Examiner		Date Considered	